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DATE OF DEPOSIT		<u>April 21, 2006</u>	CERTIFICATE OF EXPRESS MAIL REC'D PCT/AUTO 21 APR 2006 EXPRESS MAIL NO. EV321985034US
I HEREBY CERTIFY THAT THIS CORRESPONDENCE (ALONG WITH ANY PAPER REFERRED TO AS BEING ATTACHED OR ENCLOSED) IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL "POST OFFICE TO ADDRESSEE" BEFORE 5 P.M. ON THE ABOVE DATE IN AN ENVELOPE ADDRESSED TO COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.			
Name	Lori Schepisi	Signature	April 21, 2006 Date

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Clark	Art Unit: Examiner:
Serial No.:	To Be Assigned - Case No.: 21487YP	
Filed:	April 21, 2006	
For:	METHOD FOR IDENTIFYING COMPOUNDS THAT AFFECT EXPRESSION OF TRYPTOPHAN HYDROXYLASE ISOFORM 2	

COMMISSIONER FOR PATENTS
 P.O. Box 1450
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INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97

Sir:

1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).

2. In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

3. Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.

4. Pursuant to 37 C.F.R. 1.98(a)(2)(ii), copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith

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5. In accordance with 37 CFR 1.97, (check one)

- X the attached information is filed within three months of the filing date of the captioned case.
- the attached information is filed more than three months after the filing date but prior to the mailing of a first Office Action on the merits.
- the attached information is filed before the mailing of a first Office Action after the filing of a request for continued examination under §1.114.
- the attached information is being filed more than three months after the filing date and after the mailing of a first Office Action on the merits, but before the mailing date of a Final Action, Notice of Allowance, or an action that otherwise closes prosecution in the application. The enclosed authorization is therefore given to charge Deposit Account No. 13-2755 for the fee required under 37 C.F.R. 1.117(p).
- each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart application and *this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.*
- no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated under 37 C.F.R. 1.56(c) more than three months prior to the filing of this Statement.

6. Statement under 37 C.F.R. §1.98(d). Copies of the references were submitted in prior application _____, filed _____, which is relied upon for an earlier filing dated under 35 U.S.C. §120.

Respectfully submitted,

By

John David Reilly
Reg. No. 43,039
Attorney for Applicant

MERCK & CO., INC.
P.O. Box 2000
Rahway, New Jersey 07065-0907
(732) 594-6914

Date: April 21, 2006

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TE for PTO/SB/08A (07-05), Information Disclosure Statement by Applicant
Patent and Trademark Office: U.S DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

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Attorney Docket Number 21487YP

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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1449B COMPLETE IF KNOWN 1 APR 2006

				Application Number	To Be Assigned
				Filing Date	
				First Named Inventor	Clark
				Group Art Unit	
				Examiner Name	
Sheet	2	of	4	Attorney Docket Number	21487YP

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
		Azmitia, et al., "Corticosterone Regulation of Tryptophan Hydroxylase in Midbrain of the Rat", Science, Vol. 166, December 1969, pp. 1274-1476.
		Azmitia, et al., "Adrenocortical Influence on Rat Brain Tryptophan Hydroxylase Activity", Brain Research, Vol. 78, 1974, pp. 291-302.
		Azmitia, et al., "Increase of Tryptophan Hydroxylase Enzyme Protein by Dexamethasone in Adrenalectomized Rat Midbrain", Journal of Neuroscience, Vol. 13, No. 12, December 1993, pp. 5041-5055.
		Balanoff, et al., "Cortisol Activity and Cognitive Changes in Psychotic Major Depression", American J. of Psychiatry, Vol. 158, No. 10, October 2001, pp. 1612-1616.
		Bethea, et al., "Steroid Regulation of Tryptophan Hydroxylase Protein in the Dorsal Raphe of Macaques", Biol. Psychiatry, Vol. 47, 2000, pp. 562-576.
		Blundell, "Serotonin and Appetite", Neuropharmacology, Vol. 23, No. 12B, 1984, pp. 1537-1551.
		Champier, et al., "Evidence for Tryptophan Hydroxylase and Hydroxy-Indol-O-Methyl-Transferase mRNAs In Human Blood Platelets", Life Sciences, Vol. 60, No. 24, 1997, pp. 2191-2197.
		Clark, et al., "Differential Hormonal Regulation of Tryptophan Hydroxylase-2 mRNA in the Murine Dorsal Raphe Nucleus", Biol. Psychiatry, Vol. 57, 2005. pp. 943-946.
		Clark, et al., "Tissue-specific glucocorticoid regulation of tryptophan hydroxylase mRNA levels", Molecular Brain Research, Vol. 48, 1997, pp. 346-354.
		De Luca, et al., Analysis of the novel TPH2 gene in bipolar disorder and suicidality", Molecular Psychiatry, Vol. 9, 2004, pp. 896-899.
		GenBank Accession No. AY090565
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		GenBank Accession No. NM 173391
		Gershon, et al., "The Enteric Nervous System", Ann Rev. Neurosci., Vol. 4, 1981, pp. 227-272.

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Attorney Docket Number 21487YP

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
		Harvey, et al., "Support for the involvement of TPH2 gene in affective disorders", Molecular Psychiatry, Vol. 9, 2004, pp. 980-893.
		Jacobs, et al., "Structure and Function of the Brain Serotonin System", Physiological Reviews, Vol. 72, No. 1, January 1992, pp. 165-229.
		Kuhn, et al., "Determination of Some Molecular Parameters of Tryptophan Hydroxylase From Rat Midbrain and Murine Mast Cell", J. of Neurochemistry, Vol. 3, 1979, pp. 15-21.
		Kvetnansky, et al., "Stress and Molecular Biology of Neurotransmitter-Related Enzymes", Annals New York Academy of Sciences", pp. 342-356.
		Lu, et al., "Ovarian Steroid Action on Tryptophan Hydroxylase Protein and Serotonin Compared to Localization of Ovarian Steroid Receptors in Midbrain of Guinea Pigs", Endocrine, Vol. 11, No. 3, December 1999, pp. 257-267.
		Magarinos, et al., "Stress-Induced Atrophy Of Apical Dendrites Of Hippocampal CA3c Neurons: Comparison of Stressors", Neuroscience, Vol. 69, No. 1, 1995, pp. 83-88.
		Magarinos, et al., "Experimental diabetes in rats causes hippocampal dendritic and synaptic reorganization and increased glucocorticoid reactivity to stress", PNAS, Vol. 97, No. 20, pp. 11056-11061, September 26, 2000.
		Muyldermans, "Single domain camel antibodies: current status", Molecular Biology", Vol. 74, 2001, pp. 277-302.
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		Park, et al., "Tryptophan hydroxylase activity in hypothalamus and brainstem of neonatal and adult rats treated with hydrocortisone or parachlorophenylalanine", Neuroscience Research, Vol. 7, 1989, pp. 76-80.
		Patel, et al., "Robust and Tissue-Specific Expression of TPH2 versus TPH1 in Rat Raphe and Pineal Gland", Biol. Psychiatry, Vol. 55, 204, pp. 428-433.
		Pecins-Thompson, et al., "Ovarian Steroid Regulation of Tryptophan Hydroxylase mRNA Expression in Rhesus Macaques", Journal of Neuroscience, Vol. 16, No. 21, November 1, 1996, pp. 7021-7029.
		Rastogi, et al., "Adrenocorticoids Control 5-hydroxytryptamine Metabolism in Rat Brain", Journal of Neural Transmission, Vol. 42, 1978, pp. 63-71.
		Seckl, et al., "Minireview: 11 β -Hydroxysteroid Dehydrogenase Type 1 - A Tissue-Specific Amplifier of Glucocorticoid Action", Endocrinology, Vol. 142, No. 4, 2001, pp. 1371-1376.
		Singh, et al., "Increase in Cortical and Midbrain Tryptophan Hydroxylase Activity By Intracerebroventricular Administration of Corticotropin . . .", Neurochem. Int., Vol. 20, No. 1, 1992, pp. 81-92.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	Serial No. To Be Assigned
		Filing Date	
		First Named Inventor	Clark
		Group Art Unit	
		Examiner Name	
Sheet	4	of	4
		Attorney Docket Number 21487YP	

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